



Sintered SS 316L Powdered Filter Cartridges



Overview

- Sintered metal powder filter cartridges are manufactured from a metal powder matrix compressed at nearly 7000 bar pressure and sintered at nearly 1200 deg C temperature.
- They are resistant to bacterial attack and compatible with a wide range of Chemicals.
- The Sintered metal powder has a limited porosity of 32 % and thickness of 2 mm – 3 mm and have excellent ductility to handle High Operating Pressures

Features & Benefits

- Low pressure drops, high capacity of dust and long service life.
- End caps and connectors weld able by Pulse tig welding techniques.
- Manufacture in clean room areas.
- Smooth surface finish enables effective backwash in Solid Cake Release.
- Combability with a wide range of process fluids.
- Allowable Temperature : 3000C
- Max Pressure : 100 kg/cm².
- Replacement Pressure Drop : 2.5 kg/cm².

Application

- Pharmaceutical water, DM DI water
- Solvents fine chemicals, Process fluids, Solvents
- Catalyst Recovery, Activated Carbon Filter
- Steam spargers & filters & Culinary Steam filter
- Fluidisation, Flame arrestors, Flow Restrictors, Vacuum filters

Specification

- Filter media : SS 316L, SS904L, Hastalloy C-276, Inconel 625, Monel 400
- End cap : SS 316L, Hastalloy C-276, Inconel 625, Monel 400
- Gasket/O-ring : Silicon, Viton, EPDM, PTFE, Encapsulated O rings
- Type of caps : Both End Open, Code VII, Code II, BSP / NPT threaded
- Filtration rating : For air & gas : 0.2, 0.5, 1,3, 5, 10, 20 Micron For Liquids : 0.5, 1,3, 5,10, 20 Micron
- Outer diameter : 9 mm , 14 mm, 20 mm, 25 mm, 38 mm, 50 mm, 64 mm, 75 mm, 130 mm
- Length : Customised upto 1590 mm